Joint Experimentation, Test & Evaluation, and Advanced Technology Concept Demonstrations (JETA)
Alignment for FY06

CDR Bob Laubengayer

United States Joint Forces Command

Capabilities Group

Agenda

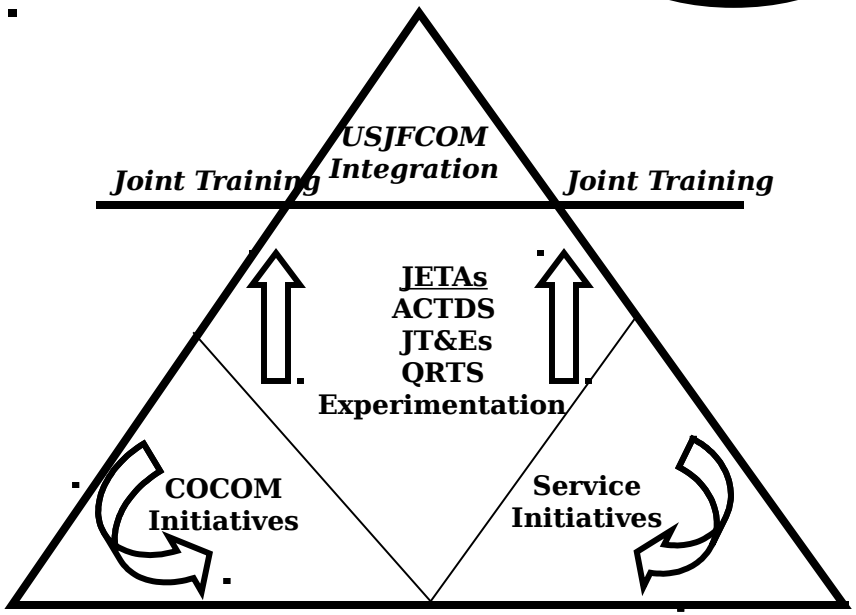
- **Background**
- **JETA Integration Process**
- **FY06 Integration Timeline**
- **FY06 JETA Nominees**
- **Alignment Criteria**
- **JETAs and COCOM Exercises**

JETA Integration

*J*oint *E*xperimentation, *T*est & Evaluation, and *A*dvanced Concept Technology Demonstrations Integration into Joint Training Events

- **T2I Plan tasks JWFC to integrate joint experimentation and lessons learned into new training processes and systems**
- **Capabilities Group (CG) designated as the "Point of Entry" for JETAs into USJFCOM sponsored or supported exercises**
- **CG developed the JETA Integration Manual to guide the process**

Currently supporting 19 JETAs



ective JETA Integration is critical because …

- **It is consistent/compliant with DEPSECDEF approved Testing in a Joint Environment Roadmap for testing and evaluation in joint operational environments**

- **Defense Test and Training Steering Group (O-10 level) is being chartered to address conduct of training, test and evaluation … *focuses on facilitating DoD transformation initiatives***

- **Joint Testing is required to meet interoperability and supportability certification**

- **The trigger puller depends on us to deliver improved warfighting concepts and hardware**

- **Balances JETA and Training Audience requirements**

Transformational products require testing and validation in the joint environment prior to delivery to the warfighter

Warfighting capabilities delivered through JETAs …

Operational Net Assessment (ONA) (OEF-CJTF 76)

oint Shipboard Helicopter ntegration Process (JSHIP) (OEF)

MNF-I Portal (OIF)

Joint Logistics/Planning Enhancement (JLOG/PE) (OIF)

Joint Unmanned Aerial Vehicles (JUAV) (OIF/OEF)

Joint Battle Damage Assessment (JBDA) (OIF)

Joint Cruise Missile Defense (JCMD) (OIF)

FY06 JETA Integration Timeline

- **May 2004 – JETA Call Message Release**
- **July 2004 – Nominations Received**
- **August 2004 – Nominees Briefed at Worldwide Training Conference**
- **November 2004 – Initial Alignment Complete**
- **December 2004 – Alignment Socialization**
- **February 2005 – Work Alignment at Worldwide Scheduling Conference**
- **FY05 – JETA Integration begins for FY06**

Alignment Criteria

- **Dates Requested:**
- **Exercise Requested:**
- **CoCom Support Requirements:**
- **Environment (L/V/C):**
- **Location (CONUS/OCONUS):**
- **Command Level (ST/OP/TA):**
- **Special Requirements:**
- **Paper Work Complete (Yes/No):**

Alignment is being based on the best available details for the Exercise and the JETA.
Where no details were available, historic exercise data was used.

Late JETAs

JETAs that are identified after the Fiscal Year alignment is complete will be considered for alignment on a case-by-case basis, depending on the timing of the exercise life cycle.

Though late JETAs may prove problematic, our goal is to achieve the objectives of both the exercise and testing audiences, with the minimal disruption to warfighter training.

FY06 JETA Nominations (Pg 1)

1. **Sentinel Radar Enhanced Target Range and Classification (Sentinel ETRAC) [Army]**
2. **Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System (JLENS) [Army]**
3. **Multi-National Information Sharing (MNIS) [USJFCOM J9]**
4. **Theater Support Vessel 1-X (TSV 1-X) [Army]**
5. **Joint Datalink Information Combat Execution (JDICE) [JT&E]**
6. **Multi-Sensor Aerospace – Ground Joint ISR Interoperability Coalition (MAJIIC) [ACTD]**
7. **Theater Medical Information Program (TMIP) [USJFCOM J02]**
8. **Joint Space Control Operations – Negation (JSCO-N) [JT&E]**
9. **Joint Fires Initiative (JFI) [USJFCOM J9]**

Additional Detail in Handout

FY06 JETA Nominations (Pg 2)

10. Joint Logistics Common Relevant Operational Picture (JLOG CROP) [USJFCOM J9]
11. Adaptive Joint C4ISR Node (AJCN) [ACTD]
12. Joint Unmanned System Common Control (JUSC2) [ACTD]
13. Epidemic Outbreak Surveillance (EOS) [ACTD]
14. Joint Urban Fires and Effects (JUFE) [JT&E]
15. COMBAT SKYSAT [USAF]
16. Joint Fires Coordination Measures (JFCM) [JT&E]
17. Joint Battle Management Command and Control – Interoperability Assessment (JBMC2 I/A) [USJFCOM & OSD]
18. Joint Effects Model (JEM) [ACTD]
19. Joint Engineer Planning and Execution System (JEPES) [USJFCOM]

Additional Detail in Handout

FY05 CoCom Support Requests

US Central Command

- ☑ Support for Mission Rehearsal Exercises.
- ❑ Staff Assistance Visits to deployed Joint Force Headquarters.
- ❑ Establishment of a Joint Force Support Component Command (JFSCC) in conjunction with USTRANSCOM.

US Strategic Command

- ☑ Assist with Global Warfighting across the Combatant Commands:
- ☑ Support Information Operations (IO) Mission:
- ❑ Provide Joint Advocacy for STRATCOM:

US Pacific Command

- ☑ Providing Training Transformation enablers to support USPACOM's Joint Exercise Program, Joint Experimentation and Joint Training System (JTS).
- ☑ Continuing development and fielding of Command and Control (C2) Systems and applications.
- ❑ Expediting the Ground Forward Air Controller certification process for coalition forces.
- ❑ Developing Joint Knowledge Development Distribution Capability (JKDDC) Individual Modules.

US Special Operations Command

- ❑ Psychological Operations (PSYOP) Modeling and Simulation.
- ☑ Information Operations (IO) Planning Capability.
- ❑ HQ Staff Training.

☑ = Request Supported by JETA Integration

FY05 CoCom Support Requests

US Northern Command

- ☑ National Common Operational Picture (COP).
- ❑ Operational Net Assessment (ONA).
- ❑ Command Joint Training Program.
- ☑ Joint Experimentation.

US Southern Command

- ☑ Sustain or expand ISR.
- ☑ Support with doctrinal and resourcing to improve how we operate with our interagency and coalition partners
- ❑ Sustain or expand theater MPA.
- ☑ Sustain or expand SJFHQ (Standup and implementation).

US Transportation Command

- ❑ Roles and responsibilities of the two commands JDDO AND JFP
- ☑ Articulate the joint theater logistics concept
- ❑ Partner to mutually support the Joint Operating Concept for Force Projection and Sustainment (JFPS).

US European Command

- ❑ Expanded exercise support.
- ❑ Conduct standardized training on joint planning and doctrine.
- ❑ Continued support for efforts that provide two-way, natural language dialogue translation.
- ☑ Rapid movement from prototypical concepts into policy and doctrine.
- ❑ Examine the need for the Regional Theater Sustainment Command concept.
- ☑ Field new concepts & systems with full support packages

☑ = Request Supported by JETA Integration

Currently …

Socializing and Aligning JETAs for FY06 JFCOM sponsored and supported events

Desired end state …

- **Seamless integration of JETAs into Joint Trai**
  - ✓ **Early planning**
  - ✓ **Smooth implementation**
  - ✓ **Effective testing of the capability**
  - ✓ **Solid, useful assessments**
  - ✓ **Validation of new concepts and technology**

Ultimate goal …

New and/or improved warfighting capability delivered to CoComs as quickly as possible

Questions

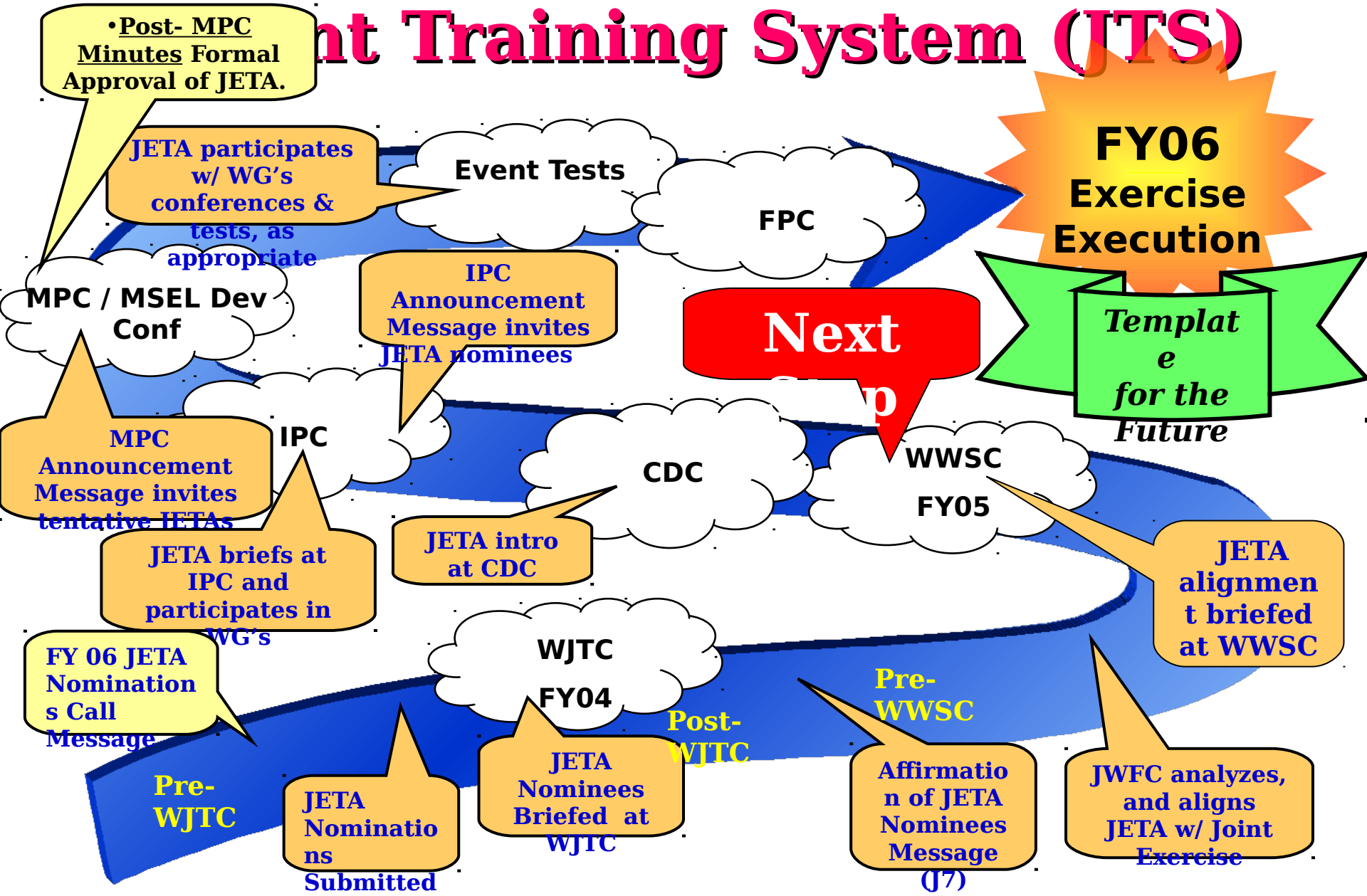
Additional Information

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-5911

Mr. Rich Gilmore
richard.gilmore@jfcom.mil
757-203-6434

Back Up Slides

FY06 JETA Integration Into the Joint Training System (JTS)



SENTINEL ETRAC

SENTINEL RADAR- Enhanced Target Range and Classification.

- POC:

CDR Bob Laubengayer

robert.laubengayer@jfcom.mil

757-203-7331

- Description: SENTINEL provides a cooperative target classification capability from multiple sensors to form a Single Integrated Air Picture.
- What it brings: Highly networked air defense system with organic target classification to achieve improved lethality while reducing fratricide in a Beyond Visual Range Engagement environment

SENTINEL ETRAC

- Dates Requested: 1st or 2nd Quarter FY 06.
- Exercise Alignment: RF 06-1 (Primary), JTFEX 06-1 C3F (B/U), JTFEX 06-2 (B/U).
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): CONUS
- Command Level: JFLCC, JFACC, JFMCC
- Special Requirements: Frequency allocation for SENTINEL radars.
- Paper Work Complete (Yes/No): Yes

JLENS

Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System.

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: JLENS integrates data from multiple sensors to support fire control and engagement of targets beyond line-of-sight of ground-based radars integral to respective air defense weapon systems.

- What it brings: JLENS provides precision tracking and wide area surveillance of the land attack cruise missile threat. It also provides a multi-role platform to enable extended range command and control communication links.

JLENS

- Dates Requested: 1st or 2nd Quarter FY06.
- Exercise Alignment: Red Flag 06-1(Primary). JTFEX 06-1 C3F (B/U).
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): Either
- Command Level: OP Level & below
- Special Requirements: Require airspace for tethered aerostat.
- Paper Work Complete (Yes/No): No CONOPS

MNIS

Multi National Information Sharing

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil

757-203-7331

- Description: An open-standard, secure, scalable collaborative information environment to enable multinational information sharing and data exchange.

- What it brings: Provides a commander with a multinational interagency capability for coordination and collaboration with coalition partner nations.

MNIS

- Dates Requested: Mid-Year FY06.
- Exercise Alignment: Blue Advance 06 (Primary), JTFEX 06-3 (B/U)
- Environment (L/V/C): N/A
- Location (CONUS/OCONUS): Either
- Command Level: JTF & below
- Special Requirements: Multi National
- Paper Work Complete (Yes/No): No CONOPS

TMIP

Theater Medical Information Program

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: An integrated medical information system that supports rapid mobilization, deployment, and sustainment of all theater medical services anywhere in support of any mission.

- What it brings: Theater Commanders will be able to track trends, take preventive action, and keep their forces fit through the ability to collect, analyze, and make use of collective medical information across Services throughout the theater in near real time.

TMIP

- Dates Requested: Early FY06
- Exercise Alignment: Flexible Response 06 (Primary), Blue Advance 06 (B/U), Ardent Sentry 06 (B/U).
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): Either
- Command Level: Tactical level
- Special Requirements: Need troops (live bodies)
- Paper Work Complete (Yes/No): Yes

TSV 1-X

Theater Support Vessel 1-X

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil

757-203-7331

- Description: The Army's next generation, high-speed vessel that carries troops, their fighting vehicles and supplies at speeds up to 50 knots. It has a broad range of Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) capabilities.

- What it brings: Provides the combatant commander high speed strategic sealift that will allow combat ready troops to arrive expediently.

TSV 1-X

- Dates Requested: FY06 Q2 or Q3
- Exercise Alignment: Terminal Fury 06 (Primary), Cobra Gold 06 (B/U)
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): Either
- Command Level: Tactical
- Special Requirements: Transporting forces
- Paper Work Complete (Yes/No): Yes

JUSC2

Joint Unmanned Systems Command and Control

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: Provide common control of unmanned vehicle assets and provide data from these vehicles to a wider audience in near real-time. Technical approach is to build upon the Unmanned Vehicle Command and Control (UVCC) software currently operating onboard High Speed Vessel (HSV-2).

- What it brings: Allows for more flexibility in employing and sharing unmanned platforms within the JOA and to efficiently integrate the employment of these systems to enhance the effectiveness of manned systems.

JUSC2

- Dates Requested: Any FY06
- Exercise Alignment: JTFEX 06-1 (Primary), Ardent Sentry 06 (B/U)
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): CONUS
- Command Level: JTF & below
- Special Requirements: Require UAVs, port surveillance, Maritime Interdiction Ops role
- Paper Work Complete (Yes/No): Yes

MAJIIC

Multi-Sensor Aerospace-Ground Joint ISR Interoperability Coalition

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil

757-203-7331

- Description: An ISR Information Service (ISRIS) that will link C2I networks and provide web services to the warfighter.

- What it brings: Enhance the availability of ISR data to the user in a “post before process” environment and the all-source fusion process by working across specific intelligence discipline stovepipes.

MAJIIC

- Dates Requested: FY06 Q3 or Q4
- Exercise Alignment: Ardent Sentry 06 (Primary), JTFEX 06-3 (B/U)
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): Either
- Command Level: OP level & below
- Special Requirements: Multi National; Live ISR assets
- Paper Work Complete (Yes/No): Yes

JSCO-N

Joint Space Control Operations-Negation

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: JSCO-N addresses existing joint space command and control (C2) processes and supporting Joint Tactics, Technique, and Procedure (JTTP) deficiencies in joint space control negation capabilities.

- What it brings: Enhance the warfighter's ability to employ joint space control negation capabilities through improved space control mission planning, assessment and integration with other operations.

JSCO-N

- Dates Requested: FY06 Q3 or Q4
- Exercise Alignment: Ardent Sentry 06 (Primary); UE 06 (B/U)
- Environment (L/V/C): L/V/C
- Location (CONUS/OCONUS): Either
- Command Level: OP level with JFACC
- Special Requirements: Non-PACOM exercises; require SCIF
- Paper Work Complete (Yes/No): Yes

JFI

Joint Fires Initiative

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: To improve the existing capability to manage and prosecute fires through a range of integrated fire support automated tools and procedures from operational to tactical levels.

- What it brings: The ability to rapidly prosecute dynamic targets, aided by a more agile ISR and C2 system is support of more rapid, non-linear operations.

JFI

- Dates Requested: Mid-year FY06
- Exercise Alignment: Cobra Gold 06 (Primary), JTFEX 06-3 (B/U).
- Environment (L/V/C): L/V/C
- Location (CONUS/OCONUS): OCONUS
- Command Level: OP level & below
- Special Requirements: Requested by PACOM for Phase II
- Paper Work Complete (Yes/No): Yes

JLOG CROP

Joint Logistics – Common Relevant Operational Picture

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: A web page portal providing information fusion for JTF logisticians. Also provides a means to share logistics information between logisticians at the JTF and component levels.

- What it brings: To help the logistician answer the prime question, “Where is my stuff?” It primarily affects logisticians from strategic to tactical levels.

JLOG CROP

- Dates Requested: Any FY06
- Exercise Alignment: UE 06-1 (Primary), JTFEX 06-2 (B/U)
- Environment (L/V/C): L/V/C
- Location (CONUS/OCONUS): Either
- Command Level: JTF & below
- Special Requirements: SJFHQ
- Paper Work Complete (Yes/No): Yes

AJCN

Adaptive Joint C4ISR Node

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: A Joint Tactical Radio System (JTRS) and legacy Radio Frequency (RF) system that performs seamless interoperable communications simultaneously with Signal Intelligence (SIGINT), Electronic Warfare (EW) and Information Operations (IO) capabilities.

- What it brings: Provides the ability to efficiently and reliably move increasing amounts of digital data around the battlespace at the time and place of its choosing with a minimum of infrastructure.

AJCN

- Dates Requested: FY06 Q2
- Exercise Alignment: UE 06-1 (Primary), JTFEX 06-2 (B/U)
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): CONUS
- Command Level: JTF or OP level & below; JFACC
- Special Requirements: Require AJCN-equipped UAVs
- Paper Work Complete (Yes/No): Yes

JDICE

Joint Datalink Information Combat Execution

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: To develop Joint Tactics, Techniques, and Procedures for the transfer of ground and airspace control data to the cockpit via Link 16.

- What it brings: More efficient tactical operations for aircraft and ADA units, better situational awareness for commanders, and less risk of fratricide.

JDICE

- Dates Requested: 2nd or 3rd Quarter FY06.
- Exercise Alignment: UE 06-1 (Primary). JTFEX 06-1 (B/U)
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): Either
- Command Level: OP level & below; JFACC; JFLCC
- Special Requirements: Live datalink network; requires SCIF at CAOC
- Paper Work Complete (Yes/No): Yes

EOS

Epidemic Outbreak Surveillance

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: A microscope slide-sized plate that rapidly detects and identifies over 300,000 biological pathogens. Using micro array technology, EOS compares saliva samples to thousands of known and unknown protein and gene samples in an 'electronic library' on a laboratory-grade reader.

- What it brings: EOS provides a capability that could identify and diagnose BW infections before the patient is symptomatic greatly enhancing the probability that therapeutic intervention will save the individuals life.

EOS

- Dates Requested: FY06
- Exercise Alignment: Flexible Response 06 (Primary). Blue Advance 06 (B/U). Ardent Sentry 06 (B/U). Cobra Gold 06 (B/U). UE 06-3/FD 06 (B/U)
- Environment (L/V/C): Constructive
- Location (CONUS/OCONUS): Either
- Command Level: OP level & below
- Special Requirements: ($$$$)
- Paper Work Complete (Yes/No): No

JUFE

Joint Urban Fires and Effects (JUFE)

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil

757-203-7331

- Description: A JT&E analysis and development of JTTPs for urban warfare. It emphasizes Commander's Objective, Target Development & Validation, Capabilities Analysis, Mission Planning and Force Execution, and Combat Assessment.

- What it brings: An effort to overcome the difficulties associated with identifying and targeting adversaries in an urban environment.

JUFE

- Dates Requested: 9/05 and 2/06
- Exercise Alignment: JTFEX 06-1 (Primary), JTFEX 06-3 (B/U), UE 06-3
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): CONUS
- Command Level: JFACC level & below
- Special Requirements: Urban environment
- Paper Work Complete (Yes/No): Yes

COMBAT SKYSAT

COMBAT SKYSAT

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: A high-altitude balloon with PRC-148 radios to extend the Army's tactical radio line-of-sight to communicate with CAS aircraft at greater distances.

- What it brings: Extended tactical communications capability for CAS support.

COMBAT SKYSAT

- Dates Requested: FY06
- Exercise Alignment: JTFEX 06-1 (Primary). JTFEX 06-3 (B/U).
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): CONUS
- Command Level: Tactical level with CAS
- Special Requirements:
- Paper Work Complete (Yes/No): No

JFCM

Joint Fire Control Measures

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: Establishes a Kill Box as a Fire Support Coordination Measure.

- What it brings: Warfighters will receive refined, validated, and updated documentation and J/MTTPs that define kill box procedures and integrate fires at the operational level, enhancing desired effects

JFCM

- Dates Requested: FY06
- Exercise Alignment: RF 06-2 (Observe), RF 06-3 (Observe)
- Environment (L/V/C): Live
- Location (CONUS/OCONUS): CONUS
- Command Level: JFACC; JFLCC & below
- Special Requirements:
- Paper Work Complete (Yes/No): No

JBMC2 (I/A)

Joint Battle Management Command and Control (Interoperability Assessment)

- POC:

CDR Bob Laubengayer
robert.laubengayer@jfcom.mil
757-203-7331

- Description: OSD has asked for organizational options be developed by USJFCOM for executing the JBMC2 Capabilities Assessments. Complimentary to JFCOM-led Capabilities Assessment Methodology, the Institute for Defense Anaylsis (IDA), at the request of OSD, developed a "current system" assessment approach that is being converged with that developed by USJFCOM.

JBMC2 (Interoperability Assessment)

- Dates Requested: FY06
- Exercise Alignment: JTFEX 06-1, Ardent Sentry 06, JTFEX 06-3
- Environment (L/V/S): Any
- Location (CONUS/OCONUS): Either
- Command Level: Operational
- Special Requirements:
- Paper Work Complete (Yes/No): No

FY06 JETA Integration Into the Joint Training System (JTS)